

Docket No.: 1248-0675P
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Takahiro INOUE et al.

Application No.: 10/733,376

Confirmation No.: 8546

Filed: December 12, 2003

Art Unit: 2816

For: PHOTOELECTRIC LEAK CURRENT
COMPENSATING CIRCUIT AND OPTICAL
SIGNAL CIRCUIT USING SAME

Examiner: TRA, Anh Q.

LETTER

Assignment Services Division
P.O. Box 1450
Alexandria, VA 22313

Attention: ID NO.: 103060023

Sir:

In accordance with the Notice of Non-Recordation of document dated December 7, 2005, attached is the corrected Recordation Form Cover Sheet dated August 5, 2005 for the above-identified patent application which was filed to correct the spelling of the third inventor's name filed with the new patent application on December 12, 2003.

The Recordation Form Cover Sheet dated August 5, 2005 has been corrected in conformance with the Notice of Non-Recordation dated December 7, 2005; namely, in Box 3, the requested information has been added, stating the correction indicated (correction of spelling of third inventor's name) and the referenced Reel and Frame numbers.

Also attached is a copy of the Assignment with the original Recordation Form Cover Sheet filed with the application on December 12, 2003.

Since the recordation fee was paid on August 5, 2005, no further payment is enclosed at this time.

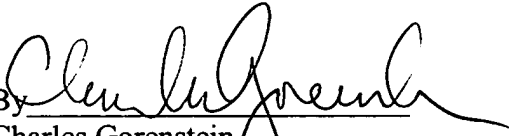
Application No.: 10/733,376

Docket No.: 1248-0675P

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Dated: January 5, 2006

Respectfully submitted,

By 

Charles Gorenstein

Registration No.: 29,271

BIRCH, STEWART, KOLASCH & BIRCH, LLP

8110 Gatehouse Rd

Suite 100 East

P.O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000

Attorney for Applicant

ATTACHMENTS: Corrected Recordation Form Cover Sheet dated August 5, 2005
Copy of Notice of Recordation of Document dated Dec. 7, 2005
Copy of previous Recordation Form Cover Sheet dated Dec. 12, 2003
Copy of Assignment

AUG 05 2005
PATENT & TRADEMARK OFFICE

Form PTO-1595 (Rev. 03-05)
OMB No. 0651-0027 (exp. 6/30/2005)

08-11-2005



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RECORDATION FORM COVER
PATENTS ONLY

103060023

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Takahiro INOUE (09/19/2003), Naruichi
YOKOGAWA (09/19/2003), and Ryosuke
KAWASHIMA (09/19/2003)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

Internal Address: _____

Street Address: _____

22-22, Nagaike-cho, Abeno-ku
Osaka
545-8522
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☒ Other Correct spelling of 3rd inventor's name from
Ryusuke KAWASHIMA to Ryosuke KAWASHIMA
at Reel/Frame: 014795/0197

4. Application or patent number(s):

A. Patent Application No.(s)

10/733,376

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Charles Gorenstein
BIRCH, STEWART, KOLASCH & BIRCH,
LLP

Internal Address: Atty. Dkt.: 1248-0675P

Street Address: 8110 Gatehouse Rd
Suite 100 East
P.O. Box 747

City: Falls Church

State: VA Zip: 22040-0747

Phone Number: (703) 205-8000

Fax Number: (703) 205-8050

Email Address: mailroom@bskb.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card

☐ Authorized to be charged to deposit account

☒ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Charles Gorenstein
Signature

August 5, 2005

Date

Charles Gorenstein - 29,271

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

08/10/2005 DBYRNE 00000189 10733376
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UNITED STATES PATENT AND TRADEMARK OFFICE

CTB

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 07, 2005

PTAS

CHARLES GORENSTEIN
BIRCH, STEWART, KOLASCH & BIRCH, LLP
8110 GATEHOUSE RD., SUITE 100 EAST
P.O. BOX 747
FALLS CHURCH, VA 22040-0747



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COPY

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

Assign
1-6-06

DOCUMENT ID NO.: 103060023

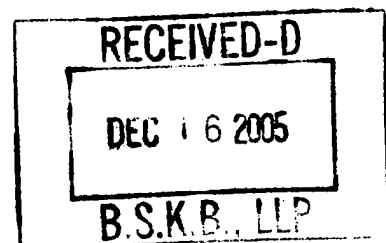
THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE,
MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.
IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE,
YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT
571-272-3350.

1. IN BOX 3 YOU NEED TO STATE THE CORRECTION AND REFERENCE THE REEL & FRAME NUMBER.

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS





Atty Docket No.: 1248-0675P

Inventor: Takahiro INOUE et al.

Application No.: 10/733,376-Conf. #8546 Filing Date: December 12, 2003
Title: PHOTOELECTRIC LEAK CURRENT COMPENSATING CIRCUIT AND OPTICAL
SIGNAL CIRCUIT USING SAME

Documents Filed:

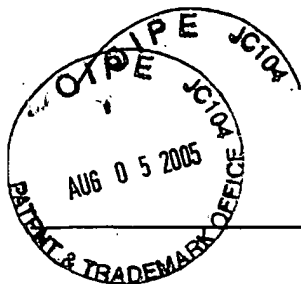
Letter dated January 5, 2006 with corrected Recordation form dated August 5, 2005
Copy of Notice of Non-Recordation of Document dated December 7, 2005
Copy of Letter dated August 5, 2005 requesting
correction of third inventor's name
Copy of Assignment with Recordation form filed on
December 12, 2003
Copy of Notice of Recordation of Assignment document
dated June 30, 2004

Via:

Sender's Initials: CG/CTB/mpe

Due Date: January 6, 2006

Date: January 5, 2006



127 - 675
COPY

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 30, 2004

PTAS

BIRCH, STEWART, KOLASCH & BIRCH, LLP
PO BOX 747
FALLS CHURCH, VA 22040-0747



102627372A

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/12/2003

REEL/FRAME: 014795/0197
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

INOUE, TAKAHIRO

DOC DATE: 09/19/2003

ASSIGNOR:

YOKOGAWA, NARUICHI

DOC DATE: 09/19/2003

ASSIGNOR:

KAWASHIMA, RYUSUKE

Ryosuke

DOC DATE: 09/19/2003

ASSIGNEE:

SHARP KABUSHIKI KAISHA
22-22 NAGAIKE-CHO, ABENO-KU
OSAKA, JAPAN 545-8522

014795/0197 PAGE 2

SERIAL NUMBER: 10733376

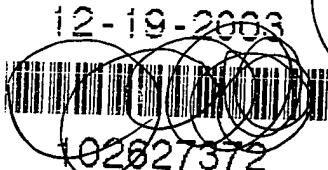
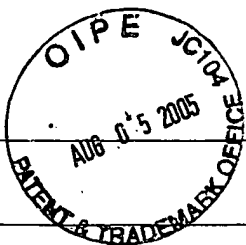
FILING DATE: 02/02/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: PHOTOELECTRIC LEAK CURRENT COMPENSATING CIRCUIT AND OPTICAL SIGNAL
CIRCUIT USING SAME

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



COPY

Atty. Docket No.: 1248-0675P

Page 1 of 1

Trademark Office:

Please record the attached original documents or copy thereof.

031088 U.S. PTO
10733376



121203

1. Name of conveying party(ies):

[FAMILY NAME (ALL CAPS), Given Name]

INOUE, Takahiro

YOKOGAWA, Naruichi

KAWASHIMA, Ryusuke

12-12-03

2. Name and address of receiving party(ies)

Name: SHARP KABUSHIKI KAISHA

Internal Address:

Street Address: 22-22, Nagaike-cho Abeno-ku

City: Osaka

State:

ZIP:

Country: Japan

Postal Code: 545-8522

Additional name(s) & address(es) attached? ☐ YES ☒ NO

Additional name(s) of conveying party(ies) attached?

☐ YES ☒ NO

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other:

Execution Date: September 19, 2003

4. Application number(s) or patent number(s):

10733376

If this document is being filed together with a new application, the execution date of the application is: September 19, 2003

A. Patent Application No(s).

NEW

B. Patent No(s).

Additional numbers attached? ☐ YES ☒ NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Street Address: P.O. BOX 747

City: FALLS CHURCH State: VA ZIP: 22040-0747

Country: USA

6. Total No. of applications/patents involved: One (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed

☒ Authorized to be charged to deposit account, if no fee attached.

8. Deposit account number: 02-2448

(Attach triplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

Charles Gorenstein, #29,271

Name of Person Signing/Reg. No.

(reg. # 40,417)

Signature

December 12, 2003

Date

Total number of pages including cover sheet, attachments, and document: Three (3)

12/15/2003 JBALINAH 00000048 10733376

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CG/CTB/clb

(Rev. 09/30/03)

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. NEW

Filed 12/12/03

Insert Name(s)
of Inventor(s)

*** (Given Name FAMILY NAME (ALL CAPS)) ***

WHEREAS, Takahiro INOUE ; Naruichi YOKOGAWA
Ryosuke KAWASHIMA ;

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
PHOTOELECTRIC LEAK CURRENT COMPENSATING CIRCUIT AND OPTICAL
SIGNAL CIRCUIT USING SAME

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date
of Signing of
Application

on 2003. 19. Sep ; and

Insert Name
of Assignee

WHEREAS, SHARP KABUSHIKI KAISHA

Insert Address
of Assignee

of 22-22, Nagaike-cho Abeno-ku Osaka 545-8522 Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
☐ in any foreign countries.

CHECK BOX
IF APPROPRIATE

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>Sep. 17. 2003</u>	Name of Inventor <u>Takahiro Inoue</u> (signature) Takahiro INOUE
Date <u>Sep. 19. 2003</u>	Name of Inventor <u>Naruichi Yokogawa</u> (signature) Naruichi YOKOGAWA
Date <u>Sep. 19. 2003</u>	Name of Inventor <u>Ryosuke Kawashima</u> (signature) Ryosuke KAWASHIMA
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)